

<b>Project Title:</b>	Factors Modifying the Toxicity of Methylmercury in a Fish-Eating Population
<b>PI:</b>	Davidson, Philip W
<b>Institution:</b>	University Of Rochester
<b>Grant Number:</b>	R01ES010219

These search results have not been confirmed by NIEHS and are therefore, not official. They are to be used only for general information and to inform the public and grantees on the breadth of research funded by NIEHS.

Viewing 45 publications

Print version (PDF)

([http://www.niehs.nih.gov/portfolio/index.cfm/portfolio/grantpubdetail/grant\\_number/R01ES010219/format/word](http://www.niehs.nih.gov/portfolio/index.cfm/portfolio/grantpubdetail/grant_number/R01ES010219/format/word))

Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
A longitudinal analysis of prenatal exposure to methylmercury and fatty acids in the Seychelles.	Stokes-Riner, Abbie; Thurston, Sally W; Myers, Gary J; Duffy, Emeir M; Wallace, Julie; Bonham, Maxine; Robson, Paula; Shamlaye, Conrad F; Strain, J J; Watson, Gene; Davidson, Philip W	Neurotoxicol Teratol (2011 Mar-Apr)	33 / 325-8	PubMed Citation
Association between prenatal exposure to methylmercury and visuospatial ability at 10.7 years in the ...	Davidson, Philip W; Jean-Sloane-Reeves; Myers, Gary J; Hansen, Ole Norby; Huang, Li-Shan; Georger, Leslie A; Cox, Christopher; Thurston, Sally W; Shamlaye, Conrad F; Clarkson, Thomas W	Neurotoxicology (2008 May)	29 / 453-9	PubMed Citation
Associations between prenatal and recent postnatal methylmercury exposure and auditory function at a ...	Orlando, Mark S; Dziorny, Adam C; Harrington, Donald; Love, Tanzy; Shamlaye, Conrad F; Watson, Gene E; van Wijngaarden, Edwin; Davidson, Philip W; Myers, Gary J	Neurotoxicol Teratol (2014 Nov-Dec)	46 / 68-76	PubMed Citation
Associations of maternal long-chain polyunsaturated fatty acids, methyl mercury, and infant developm ...	Strain, J J; Davidson, Philip W; Bonham, Maxine P; Duffy, Emeir M; Stokes-Riner, Abbie; Thurston,	Neurotoxicology (2008 Sep)	29 / 776-82	PubMed Citation

	Sally W; Wallace, Julie M W; Robson, Paula J; Shamlaye, Conrad F; Georger, Lesley A; Sloane-Reeves, Jean; Cernichiari, Elsa; Canfield, Richard L; Cox, Christopher; Huang, Li Shan; Janciuras, Joanne; Myers, Gary J; Clarkson, Thomas W			
Autism spectrum disorder phenotypes and prenatal exposure to methylmercury.	van Wijngaarden, Edwin; Davidson, Philip W; Smith, Tristram H; Evans, Katie; Yost, Kelley; Love, Tanzy; Thurston, Sally W; Watson, Gene E; Zareba, Grazyna; Burns, Christine M; Shamlaye, Conrad F; Myers, Gary J	Epidemiology (2013 Sep)	24 / 651-9	PubMed Citation
Benchmark concentrations for methyl mercury obtained from the 9-year follow-up of the Seychelles Chi ...	van Wijngaarden, Edwin; Beck, Christopher; Shamlaye, Conrad F; Cernichiari, Elsa; Davidson, Philip W; Myers, Gary J; Clarkson, Thomas W	Neurotoxicology (2006 Sep)	27 / 702-9	PubMed Citation
Blood pressure and cognitive function: a prospective analysis among adolescents in Seychelles.	Lyngdoh, Tanica; Viswanathan, Bharathi; Kobrosly, Roni; van Wijngaarden, Edwin; Huber, Brittany; Davidson, Philip W; Cory-Slechta, Deborah A; Strain, John J; Strain, Sean; Myers, Gary J; Bovet, Pascal	J Hypertens (2013 Jun)	31 / 1175-82	PubMed Citation
Choline status and neurodevelopmental outcomes at 5 years of age in the Seychelles Child Development ...	Strain, J J; McSorley, Emeir M; van Wijngaarden, Edwin; Kobrosly, Roni W; Bonham, Maxine P; Mulhern,	Br J Nutr (2013 Jul 28)	110 / 330-6	PubMed Citation

	Maria S; McAfee, Alison J; Davidson, Philip W; Shamlaye, Conrad F; Henderson, Juliette; Watson, Gene E; Thurston, Sally W; Wallace, Julie M W; Ueland, Per M; Myers, Gary J			
Contribution of fish to intakes of micronutrients important for fetal development: a dietary survey ...	Bonham, Maxine P; Duffy, Emeir M; Robson, Paula J; Wallace, Julie M; Myers, Gary J; Davidson, Philip W; Clarkson, Tom W; Shamlaye, Conrad F; Strain, J J; Livingstone, M Barbara E	Public Health Nutr (2009 Sep)	12 / 1312-20	PubMed Citation
Eating fish for two.	Strain, Jj	Nutr Bull (2014 Jun)	39 / 181-186	PubMed Citation
Exploring nonlinear association between prenatal methylmercury exposure from fish consumption and ch ...	Huang, Li-Shan; Cox, Christopher; Myers, Gary J; Davidson, Philip W; Cernichiari, Elsa; Shamlaye, Conrad F; Sloane-Reeves, Jean; Clarkson, Thomas W	Environ Res (2005 Jan)	97 / 100-8	PubMed Citation
Finding vulnerable subpopulations in the Seychelles Child Development Study: effect modification wit ...	Love, Tanzy Mt; Thurston, Sally W; Davidson, Philip W	Stat Methods Med Res (2014 Dec 14)	/	PubMed Citation
Fish consumption and prenatal methylmercury exposure: cognitive and behavioral outcomes in the main ...	Davidson, Philip W; Cory-Slechta, Deborah A; Thurston, Sally W; Huang, Li-Shan; Shamlaye, Conrad F; Gunzler, Douglas; Watson, Gene; van Wijngaarden, Edwin; Zareba, Grazyna; Klein, Jonathan D; Clarkson, Thomas W; Strain, J J; Myers, Gary J	Neurotoxicology (2011 Dec)	32 / 711-7	PubMed Citation

Fish consumption, mercury exposure, and their associations with scholastic achievement in the Seyche ...	Davidson, Philip W; Leste, Andre; Benstrong, Egbert; Burns, Christine M; Valentin, Justin; Sloane-Reeves, Jean; Huang, Li-Shan; Miller, Wesley A; Gunzler, Douglas; van Wijngaarden, Edwin; Watson, Gene E; Zareba, Grazyna; Shamlaye, Conrad F; Myers, Gary J	Neurotoxicology (2010 Sep)	31 / 439-47	PubMed Citation
Genetic variation in FADS genes is associated with maternal long-chain PUFA status but not with cogn ...	Yeates, Alison J; Love, Tanzy M; Engström, Karin; Mulhern, Maria S; McSorley, Emeir M; Grzesik, Katherine; Alhamdow, Ayman; Wahlberg, Karin; Thurston, Sally W; Davidson, Philip W; van Wijngaarden, Edwin; Watson, Gene E; Shamlaye, Conrad F; Myers, G J; Strain, J J; Broberg, Karin	Prostaglandins Leukot Essent Fatty Acids (2015 Dec)	102-103 / 13-20	PubMed Citation
Habitual fish consumption does not prevent a decrease in LCPUFA status in pregnant women (the Seyche ...	Bonham, M P; Duffy, E M; Wallace, J M W; Robson, P J; Myers, G J; Davidson, P W; Clarkson, T W; Shamlaye, C F; Strain, J J	Prostaglandins Leukot Essent Fatty Acids (2008 Jun)	78 / 343-50	PubMed Citation
Homocysteine concentration, related B vitamins, and betaine in pregnant women recruited to the Seych ...	Wallace, Julie Mw; Bonham, Maxine P; Strain, Jj; Duffy, Emeir M; Robson, Paula J; Ward, Mary; McNulty, Helene; Davidson, Philip W; Myers, Gary J; Shamlaye, Conrad F; Clarkson, Tom W; Molloy, Anne M; Scott, John M; Ueland, Per	Am J Clin Nutr (2008 Feb)	87 / 391-7	PubMed Citation

## M

Intakes and adequacy of potentially important nutrients for cognitive development among 5-year-old c ...	McAfee, Alison J; Mulhern, Maria S; McSorley, Emeir M; Wallace, Julie M W; Bonham, Maxine P; Faure, Jude; Romain, Sarah; Esther, Christina; Shamlaye, Conrad F; Watson, Gene E; Myers, Gary J; Clarkson, Thomas W; Davidson, Philip W; Strain, J J	Public Health Nutr (2012 Sep)	15 / 1670-7	PubMed Citation
Interpreting epidemiological evidence in the presence of multiple endpoints: an alternative analytic ...	van Wijngaarden, Edwin; Myers, Gary J; Thurston, Sally W; Shamlaye, Conrad F; Davidson, Philip W	Int Arch Occup Environ Health (2009 Aug)	82 / 1031-41	PubMed Citation
Iron status in pregnant women in the Republic of Seychelles.	Duffy, Emeir M; Bonham, Maxine P; Wallace, Julie M W; Chang, Chin-Kuo; Robson, Paula J; Myers, Gary J; Davidson, Philip W; Clarkson, Thomas W; Shamlaye, Conrad F; Strain, J J	Public Health Nutr (2010 Mar)	13 / 331-7	PubMed Citation
Is susceptibility to prenatal methylmercury exposure from fish consumption non-homogeneous? Tree-str ...	Huang, Li-Shan; Myers, Gary J; Davidson, Philip W; Cox, Christopher; Xiao, Fenyuan; Thurston, Sally W; Cernichiari, Elsa; Shamlaye, Conrad F; Sloane-Reeves, Jean; Georger, Lesley; Clarkson, Thomas W	Neurotoxicology (2007 Nov)	28 / 1237-44	PubMed Citation
Maternal PUFA status but not prenatal methylmercury exposure is associated with children's language ...	Strain, J J; Davidson, Philip W; Thurston, Sally W; Harrington, Donald; Mulhern, Maria S; McAfee, Alison J; van Wijngaarden, Edwin; Shamlaye, Conrad F;	J Nutr (2012 Nov)	142 / 1943-9	PubMed Citation

Henderson, Juliette;  
 Watson, Gene E;  
 Zareba, Grazyna;  
 Cory-Slechta,  
 Deborah A; Lynch,  
 Miranda; Wallace,  
 Julie M W;  
 McSorley, Emeir  
 M; Bonham,  
 Maxine P;  
 Stokes-Riner,  
 Abbie;  
 Sloane-Reeves,  
 Jean; Janciuras,  
 Joanne; Wong,  
 Rosa; Clarkson,  
 Thomas W; Myers,  
 Gary J

Mechanisms of mercury disposition in the body.	Clarkson, Thomas W; Vyas, Jayesh B; Ballatori, Nazzareno	Am J Ind Med (2007 Oct)	50 / 757-64	PubMed Citation
Neurodevelopmental effects of maternal nutritional status and exposure to methylmercury from eating ...	Davidson, Philip W; Strain, J J; Myers, Gary J; Thurston, Sally W; Bonham, Maxine P; Shamlaye, Conrad F; Stokes-Riner, Abbie; Wallace, Julie M W; Robson, Paula J; Duffy, Emeir M; Georger, Lesley A; Sloane-Reeves, Jean; Cernichiari, Elsa; Canfield, Richard L; Cox, Christopher; Huang, Li Shan; Janciuras, Joanne; Clarkson, Thomas W	Neurotoxicology (2008 Sep)	29 / 767-75	PubMed Citation
Neurodevelopmental outcomes at 5 years in children exposed prenatally to maternal dental amalgam: th ...	Watson, Gene E; van Wijngaarden, Edwin; Love, Tanzy M T; McSorley, Emeir M; Bonham, Maxine P; Mulhern, Maria S; Yeates, Alison J; Davidson, Philip W; Shamlaye, Conrad F; Strain, J J; Thurston, Sally W; Harrington, Donald; Zareba,	Neurotoxicol Teratol (2013 Sep-Oct)	39 / 57-62	PubMed Citation

	Grazyna; Wallace, Julie M W; Myers, Gary J			
Neurophysiologic measures of auditory function in fish consumers: Associations with long chain polyu ...	Dziorny, Adam C; Orlando, Mark S; Strain, J J; Davidson, Philip W; Myers, Gary J	Neurotoxicology (2012 Oct 12)	/	PubMed Citation
Nutritional factors may modify the toxic action of methyl mercury in fish-eating populations.	Clarkson, Thomas W; Strain, J J	J Nutr (2003 May)	133 / 1539S-43S	PubMed Citation
Overview of the clinical toxicity of mercury.	Magos, Laszlo; Clarkson, Thomas W	Ann Clin Biochem (2006 Jul)	43 / 257-68	PubMed Citation
Polymorphisms in ATP-binding cassette transporters associated with maternal methylmercury dispositio ...	Engström, Karin; Love, Tanzy M; Watson, Gene E; Zareba, Grazyna; Yeates, Alison; Wahlberg, Karin; Alhamdow, Ayman; Thurston, Sally W; Mulhern, Maria; McSorley, Emeir M; Strain, J J; Davidson, Philip W; Shamlaye, Conrad F; Myers, G J; Rand, Matthew D; van Wijngaarden, Edwin; Broberg, Karin	Environ Int (2016 Sep)	94 / 224-9	PubMed Citation
Postnatal exposure to methyl mercury from fish consumption: a review and new data from the Seychelle ...	Myers, Gary J; Thurston, Sally W; Pearson, Alexander T; Davidson, Philip W; Cox, Christopher; Shamlaye, Conrad F; Cernichiari, Elsa; Clarkson, Thomas W	Neurotoxicology (2009 May)	30 / 338-49	PubMed Citation
Prenatal exposure to dental amalgam in the Seychelles Child Development Nutrition Study: association ...	Watson, Gene E; Evans, Katie; Thurston, Sally W; van Wijngaarden, Edwin; Wallace, Julie M W; McSorley, Emeir M; Bonham, Maxine P; Mulhern, Maria S; McAfee, Alison J; Davidson, Philip W; Shamlaye, Conrad F; Strain, J	Neurotoxicology (2012 Dec)	33 / 1511-7	PubMed Citation

Prenatal exposure to dental amalgam: evidence from the Seychelles Child Development Study main cohort ...	J; Love, Tanzy; Zareba, Grazyna; Myers, Gary J; Watson, Gene E; Lynch, Miranda; Myers, Gary J; Shamlaye, Conrad F; Thurston, Sally W; Zareba, Grazyna; Clarkson, Thomas W; Davidson, Philip W	J Am Dent Assoc (2011 Nov)	142 / 1283-94	PubMed Citation
Prenatal exposure to methyl mercury from fish consumption and polyunsaturated fatty acids: associati ...	Strain, J J; Yeates, Alison J; van Wijngaarden, Edwin; Thurston, Sally W; Mulhern, Maria S; McSorley, Emeir M; Watson, Gene E; Love, Tanzy M; Smith, Tristram H; Yost, Kelley; Harrington, Donald; Shamlaye, Conrad F; Henderson, Juliette; Myers, Gary J; Davidson, Philip W	Am J Clin Nutr (2015 Mar)	101 / 530-7	PubMed Citation
Prenatal exposure to methylmercury and LCPUFA in relation to birth weight.	van Wijngaarden, Edwin; Harrington, Donald; Kobrosly, Roni; Thurston, Sally W; O'Hara, Todd; McSorley, Emeir M; Myers, Gary J; Watson, Gene E; Shamlaye, Conrad F; Strain, J J; Davidson, Philip W	Ann Epidemiol (2014 Apr)	24 / 273-8	PubMed Citation
Prenatal methyl mercury exposure in relation to neurodevelopment and behavior at 19 years of age in ...	van Wijngaarden, E; Thurston, S W; Myers, G J; Strain, J J; Weiss, B; Zarccone, T; Watson, G E; Zareba, G; McSorley, E M; Mulhern, M S; Yeates, A J; Henderson, J; Gedeon, J; Shamlaye, C F; Davidson, P W	Neurotoxicol Teratol (2013 Sep-Oct)	39 / 19-25	PubMed Citation

Prenatal methylmercury exposure from ocean fish consumption in the Seychelles child development stud ...	Myers, Gary J; Davidson, Philip W; Cox, Christopher; Shamlaye, Conrad F; Palumbo, Donna; Cernichiari, Elsa; Sloane-Reeves, Jean; Wilding, Gregory E; Kost, James; Huang, Li-Shan; Clarkson, Thomas W	Lancet (2003 May 17)	361 / 1686-92	PubMed Citation
Silent latency periods in methylmercury poisoning and in neurodegenerative disease.	Weiss, Bernard; Clarkson, Thomas W; Simon, William	Environ Health Perspect (2002 Oct)	110 Suppl 5 / 851-4	PubMed Citation
Socioeconomic position and cognitive function in the Seychelles: a life course analysis.	Kobrosly, Roni W; van Wijngaarden, Edwin; Galea, Sandro; Cory-Slechta, Deborah A; Love, Tanzy; Hong, Caroline; Shamlaye, Conrad F; Davidson, Philip W	Neuroepidemiology (2011)	36 / 162-8	PubMed Citation
The biological monitoring of prenatal exposure to methylmercury.	Cernichiari, E; Myers, G J; Ballatori, N; Zareba, G; Vyas, J; Clarkson, T	Neurotoxicology (2007 Sep)	28 / 1015-22	PubMed Citation
The chemical forms of mercury in human hair: a study using X-ray absorption spectroscopy.	George, Graham N; Singh, Satya P; Myers, Gary J; Watson, Gene E; Pickering, Ingrid J	J Biol Inorg Chem (2010 Jun)	15 / 709-15	PubMed Citation
The three modern faces of mercury.	Clarkson, Thomas W	Environ Health Perspect (2002 Feb)	110 Suppl 1 / 11-23	PubMed Citation
The toxicology of mercury and its chemical compounds.	Clarkson, Thomas W; Magos, Laszlo	Crit Rev Toxicol (2006 Sep)	36 / 609-62	PubMed Citation
The toxicology of mercury--current exposures and clinical manifestations.	Clarkson, Thomas W; Magos, Laszlo; Myers, Gary J	N Engl J Med (2003 Oct 30)	349 / 1731-7	PubMed Citation
Validity of methyl mercury hair analysis: mercury monitoring in human scalp/nude mouse model.	Zareba, Grazyna; Cernichiari, Elsa; Goldsmith, Lowell A; Clarkson, Thomas W	J Appl Toxicol (2008 May)	28 / 535-42	PubMed Citation

Varying coefficient function models to explore interactions between maternal nutritional status and ...	Lynch, Miranda L; Huang, Li-Shan; Cox, Christopher; Strain, J J; Myers, Gary J; Bonham, Maxine P; Shamlaye, Conrad F; Stokes-Riner, Abbie; Wallace, Julie M W; Duffy, Emeir M; Clarkson, Thomas W; Davidson, Philip W	Environ Res (2011 111 / 75-80 Jan)	PubMed Citation
---	---	---------------------------------------	--------------------